

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/28/2020 09:24 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 91417 **Expiration Date:** 03/31/2021
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124634	-1	2.64	124767	2.67
Blue	F	SSC	125000	124178	-1	3.79	124972	3.84
Blue	E	FITC	14203	13864	-3	3.04	300	14.96
Blue	D	PE	25703	25598	-1	2.73	552	10.35
Blue	B	PerCP-Cy5-5	42104	42011	-1	3.45	930	14.50
Blue	A	PE-Cy7	34646	34256	-2	4.60	493	27.75
Red	C	APC	49824	49434	-1	2.77	1504	11.02
Red	A	APC-Cy7	39773	39115	-2	2.78	737	11.24
Violet	B	V450	7447	7124	-5	4.36	411	12.24
Violet	A	V500	31193	29809	-5	4.10	681	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21538	2.92	550	-6	N/A	N/A	Pass
Blue	F	SSC	55106	3.21	510	-2	N/A	N/A	Pass
Blue	E	FITC	55	51.89	483	-3	0.0424	64	Pass
Blue	D	PE	108	37.53	484	-1	0.4200	279	Pass
Blue	B	PerCP-Cy5-5	183	34.56	575	-2	0.0199	38	Pass
Blue	A	PE-Cy7	115	60.01	616	-4	0.0245	2	Pass
Red	C	APC	353	23.49	566	-1	0.0306	147	Pass
Red	A	APC-Cy7	206	23.45	540	-4	0.0068	664	Pass
Violet	B	V450	90	38.26	453	4	0.0467	1233	Pass
Violet	A	V500	120	26.30	470	3	0.0242	184	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/28/2020 09:24 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.98	-32.70	0.97
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.38
Red	22.74	15.99 - 23.99	N/A	N/A	31.08	31.34	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 12110

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments